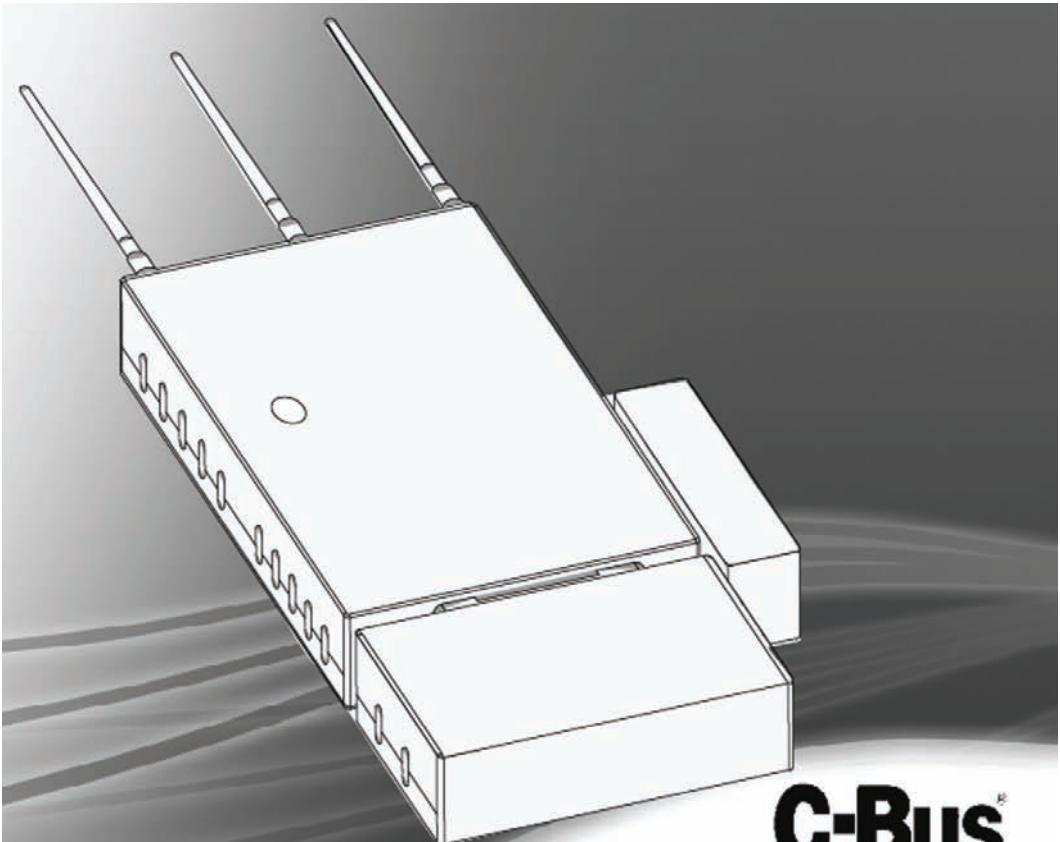

C-Bus®

Wiser Home Control

5200PG

TWO YEAR WARRANTY

User's Manual

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Contents

1.0 Introduction 5

2.0 Installation 6

2.1 Wiser Home Gateway Components 6

2.2 Status Indicator LEDs 7

3.0 Concepts 9

4.0 The Wiser Home Controller User Interface 11

4.1 Status Icons 11

4.2 RSS Feeds 12

4.3 Email Notification 13

4.4 Date and Time 13

5.0 Basic Guidelines and Use 14

5.1 Opening the Wiser User Interface 14

5.2 Sequence of Operations 14

5.3 Terminology 15

5.4 Navigation 15

5.5 Tools 16

5.5.1 Remote Access 16

5.5.2 Configure Router Settings 17

5.5.3 C-Bus Date and Time 17

5.6 Full Screen View 18

6.0 Widgets 19

6.1 Icons 19

7.0 C-Bus Widgets 19

7.1 General Lighting Relay 19

7.2 Two-State Lighting Relay 20

7.3 General Lighting Dimmer 20

7.4 Bellpress 21

7.5 Curtain Control 21

7.6 Shutter Relay 22

7.7 Lighting Preset 22

7.8 Lighting Status 23

7.9 General Lighting Timer 23
7.10 Enable Preset 24
7.11 Two-State Enable 24
7.12 Fan Controller 24
7.13 Scene Trigger 25
7.14 Local Scene Controller 25
7.15 Multi Room Audio Zone 26
7.16 Media Transport 26
7.17 Home Safe Panel 27
7.18 MinderPro Panel 28
7.19 Climate Control 29

8.0 Logic Widgets 30

8.1 User System IO Integer 30
8.2 User System IO Real 30
8.3 User System IO String 31
8.4 User System IO Boolean 32
8.5 User System IO Date 32
8.6 User System IO Time 33

9.0 Other Widgets 34

9.1 Web Camera 34

1.0 Introduction

The Wiser Home Controller allows you to access your C-Bus using a graphical user interface, sometimes referred to as the Wiser UI. The Wiser Home Controller arrives with a sample project loaded and the user interface accessible from you local home network. With certain options set, you can access the Wiser UI from anywhere using the Internet.

Using the Wiser Home Controller you can:

- control equipment such as IP cameras, C-Bus devices and non C Bus wired and wireless equipment on the home LAN.
- schedule events in the home.
- create and store scenes on-board.
- customise a C-Bus system using the onboard Logic Engine.
- monitor the home environment including C-Bus and security systems.

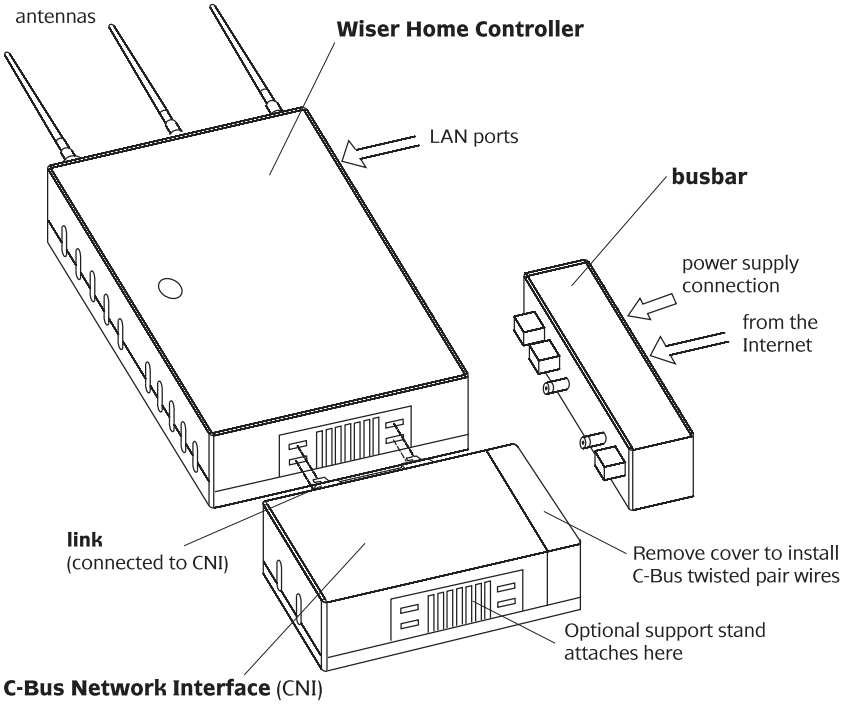
Note: Examples of equipment you might access with Wiser Home Controller include lighting, HVAC, curtains, sprinkler systems, and security controls.

The User's Manual is provided to familiarise you with some of the features of the user interface and to help you to use it more effectively. Some of the illustrations in this document might not look exactly like what you see on your screen. This is because there are several different 'skin' designs and there are many different devices available for accessing your Wiser Home Controller.

2.0 Installation

2.1 Wiser Home Gateway Components

For details of installation of the Wiser Home Controller, refer to the *Wiser Home Controller Installation Instructions* and the *Wiser Home Controller Setup Sheet*.



The Wiser Home Controller has the following hardware components:

- Wiser Home Controller router
- C-Bus Network Interface (CNI)
- Busbar to connect the router and CNI
- Power supply (for the router and the Ethernet side of the CNI)
- LAN cable
- Wiser 1GB USB drive (for product information)
- Setup sheet

The Wiser Home Controller router connects to the following:

- Power - provided by a plug-pack connected to the busbar
- Wide Area Network (WAN) - this is the Internet connection, usually via the busbar
- Connection to CNI - this is normally done by the busbar
- Other Ethernet Devices - these are plugged into the spare Ethernet ports

The CNI connects to:

- Power - provided by a plug-pack connected to the busbar
- C-Bus - this is the connection to C-Bus and is normally a pink cable
- Connection to Wiser Home Controller - this is normally done by the busbar

The certified installer uses Clipsal PICED and C-Bus Toolkit software to create a unique project for the customer's home. The project is transferred to the Wiser router unit. It is then ready to be used with the Wiser User Interface (Wiser UI). With the appropriate settings, the configuration can be modified later and the project loaded, as needed.

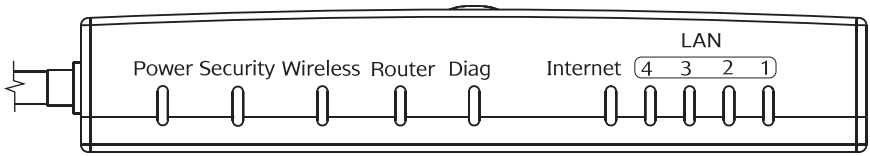
The installer provides the homeowner with the IP address and security codes needed to access the project. The Wiser UI can be accessed at home or remotely over the Internet.

2.2 Status Indicator LEDs

The LEDs on the Wiser Home Controller and CNI provide useful information about the status of the system.

Wiser Home Controller router

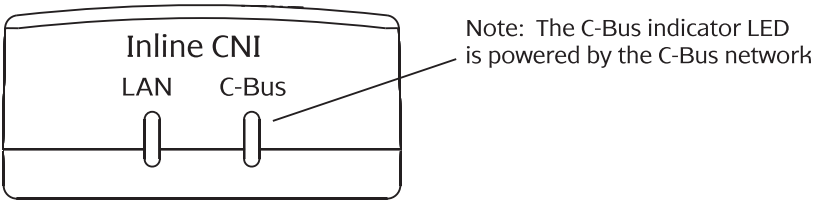
The locations and meanings of the various LEDs on the Wiser Home Controller router unit are shown below.



LED on the Wiser Home Controller	Purpose or Meaning
Power	The Power LED lights when power is applied to the unit and stays lit, as long a power is present.
Security (orange)	The Wiser Home Controller does not make use of this LED.
Wireless	Lit when wireless is available. Blinks when transmitting or receiving data.
Router	When router is working as a 'router' the LED is lit.
DIAG (red)	Lit during self-test and a few moments thereafter. If the light stays on it indicates a problem.
Internet	Flashes when data is transferred.
LAN	Lit when the Ethernet port is connected to a LAN. The numbered LEDs indicate which ports are active.

C-Bus Network Interface (CNI)

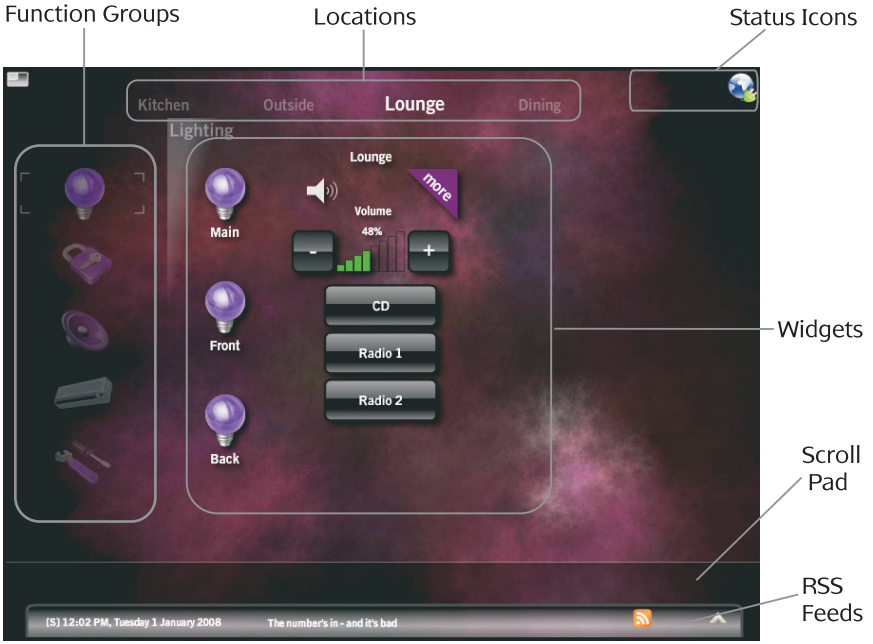
The meaning of the two CNI LEDs is shown below.



Ethernet Indicator Status	Meaning
Green	Communication link is good
Orange/Green flash	Link is good with active data transfer
Red	Non-existent or problematic link
Off	Power problem, for example no power connection
C-Bus Indicator Status	Meaning
Orange	C-Bus clock signal is present, voltage is good
Orange/Red flash	C-Bus good, active communication between C-Bus and Ethernet
Off	No C-Bus connection

3.0 Concepts

The Wiser Home Controller web interface appearance depends on many factors, including the 'skin' used and the selected 'widgets.' A typical screen is shown below.



A **widget** is a graphical component displayed on the Wiser Home Controller that is used to control and/or display the state of something. Typical functions for widgets include:

- Controlling lighting
- Controlling a home audio system
- Controlling and monitoring a security system
- Displaying a Web camera

The Wiser Home Controller displays the Widgets using the selected skin. The skin defines the appearance of the background and the Widgets, as well as the way the user interface operates.

The Wiser Home Controller automatically arranges the Widgets onto pages according to their 'Location' and/or 'Function Group.'

Locations are used to arrange Widgets according to their physical location in a site. A project can have between 1 and 20 locations. Typical Locations in a Home might include:

- Lounge
- Dining
- Bedrooms
- Outside

Function Groups are used to arrange Widgets according to their usage. A project can have no Function Groups, or up to 20. Typical Function Groups in a Home might include:

- Lighting
- Security
- Climate Control
- Media (Audio/Video)

4.0 The Wiser Home Controller User Interface

4.1 Status Icons

Several icons might be displayed in the top right corner of the screen.

The **Connection** status icon is the only icon you will see if all is operating correctly.

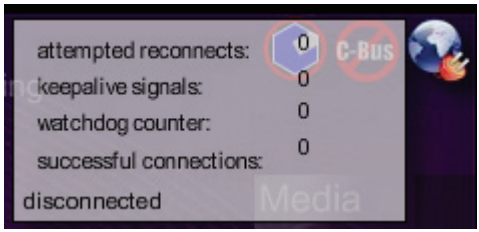
This icon reflects the state and of the user interface's (web browser) connection to the Wiser Home Controller. The plug on the icon will be shown in one of three colours:

- Green: all is working correctly
- Orange: has a connection to the Wiser Home Controller, but the data is out of date or has not recently received a keep-alive message (see below)
- Red: there is no connection to the Wiser Home Controller. This can happen for many reasons. Typically, this happens when using the web browser over WiFi and the WiFi is going out of range.

The **C-Bus** icon with a red slash across it means that the Wiser Home Controller does not have C-Bus connectivity. This could be caused by no C-bus connection, wrong CNI IP Address or no CNI.

The **wrench** icon means that the Wiser Home Controller is currently in CNI mode meaning that the device is being used as a CNI and thus the web browser control will not function until the CNI mode is disconnected. Once CNI mode is disconnected, the icon will disappear and the Wiser Home Controller can be used like normal.

In case of problems, you can click on the icons and you will see some additional status details:

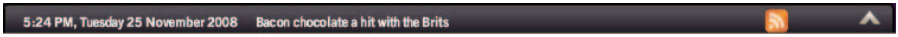


At the bottom left, it shows whether you are connected or not. The meaning of the other information is as follows:

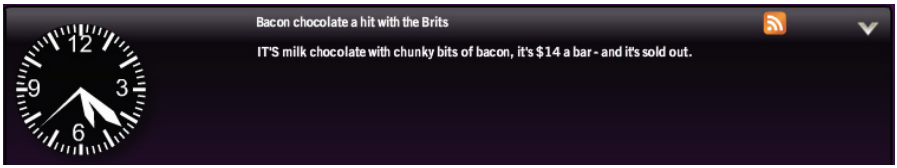
- Attempted reconnects: this is the number of times a re-connect to the Wiser Home Controller has been attempted. This will normally be 0 for a wired Ethernet connection. For a wireless connection, this number will increase while the connection is lost.
- Keepalive signals: this is the number of keep-alive signals received from the Wiser Home Controller. These are sent on a regular basis so that the user interface knows that the Wiser Home Controller is still connected.
- Watchdog Counter: this is the number of times the user interface has checked to see if a keep-alive signal has been received. It gets reset to 0 each time a keep-alive is received.
- Successful Connections: this is the number of times a connection has been successfully made to the Wiser Home Controller. This will normally be 1 for a wired Ethernet connection. For a wireless connection, this number will increase each time a new connection is made.

4.2 RSS Feeds

If RSS feeds have been set up for use on your Wiser Home Controller, you will see the headlines appear at the bottom of the screen.



If you click on the up arrow (bottom right corner), the area for displaying the RSS data will expand and you will see the full text.



4.3 Email Notification

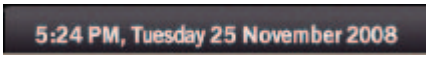
If an Email account has been selected for use with the Wiser Home Controller, you will see the Email icon at the bottom of the screen, along with the number of messages waiting to be read. If the number of Emails is unknown, a question mark will be shown.

When Email messages are received, the number will be shown.

If you click ^ , you will be able to select and Email and see the sender and subject of the Email. The full text of Emails is not available for reading on the Wiser Home Controller.

4.4 Date and Time

The date and time is shown in the bottom, left corner of the screen.



If the RSS Feed panel is expanded, you will see an analogue clock.

To set the date and time, go to the Tools page.

5.0 Basic Guidelines and Use

5.1 Opening the Wiser User Interface

You control of the Wiser Home Controller using a Web-based user interface, usually a web browser. This could be a web browser connected to the Local Area Network (LAN), or connected remotely via the Internet.

It is also possible to control the Wiser Home Controller via a "projector" application running on a device like a mobile phone or PDA.

To display the Wiser Home Controller user interface on a web browser that is connected to the LAN, enter the following URL in the web browser:

http://192.168.2.1/ or the address as configured during installation.

Note: You will need to use the actual IP Address of the Wiser Home Controller in the above URL.

When you first open the Wiser Home Controller user interface, you are prompted for a user name and password. The default values are:

User name: **admin**
Password: **admin**

The user name cannot be changed. It is recommended that the password be changed for security.

5.2 Sequence of Operations

Power On and Initialisation

Power on the Wiser Home Controller before accessing the Wiser user interface. Allow time for the router to establish connection with the C-Bus network and to poll the states of the C-Bus devices through the C-Bus Network Interface (CNI). This is important to give a true picture of the status of the equipment and to allow scenes to begin from know start points. Try to avoid disconnecting power from the Wiser equipment. It is better to let it remained powered on than to remove power on a random basis

You can get a good indication of the status of the system from the indicator LEDs on the Wiser router and CNI. Most indicators should be green or flashing green during normal operation. Some activity between the router and C-Bus network is normal at any time, even when not being controlled or monitored by you using the Wiser UI.

The monitor and control functions might not be available during maintenance events such as using Toolkit, transferring a project to the Wiser unit using PICED, or when the router is rebooting or performing power-on self tests. Also, during Wiser project maintenance, other programs running on your home LAN might be interrupted or slowed down.

5.3 Terminology

Short Press

The term short press is used to describe clicking the mouse button and then releasing within about 1/2 second. If you are using a touch screen device, you will be pressing the screen with your finger, rather than using a mouse. In this document, it is assumed you are using a mouse.

Long Press

The term long press is used to describe clicking the mouse button and then holding for more than 1/2 second before releasing.

5.4 Navigation

Groups of widgets can be selected based on either their Location or their Function Group.

The **Function** Groups are displayed down the left side of the screen.

To change the Function Group:

Click one of the icons. The selected Function Group will be shown highlighted.

Click the arrow at the top or bottom to see more Function Groups (if there are any).

The **Locations** are displayed across the top of the screen.

To change the Location:

Click the name of one of the Locations. The selected Location will be shown centred and highlighted.

5.5 Tools

On the Tools page you can select Enable Remote Access, Configure Router settings and Set C-Bus Date and Time.

To select the Tools page, click on the Tools icon at the bottom of the Function Groups list.

5.5.1 Remote Access

The Remote Access settings can be set or reset using the Wiser UI. To access the screen with the remote access settings buttons, go to the Tools page.

Changing remote access settings will prevent certain access modes from working. Be sure you know what the effects of a change will be before you change the current setting. Some changes will cause a reboot and could interrupt activity on your network.

Toolkit Control allows the device to be used as a CNI over the Internet. This means that anyone on the Internet, if they knew the Internet address of your device, can connect on port 10001 and perform C Bus tasks. Disabling

closes this port. The port is closed by default. This feature is intended to allow installers to use C-Bus Toolkit to manage a C-Bus network remotely when they need to. IT IS IMPORTANT TO MAKE SURE TO CLOSE THE PORT AFTER USE. LEAVING IT OPEN ALLOWS ANYONE TO MANIPULATE YOUR C-BUS NETWORK.

Projector Control allows the web user interface to function even when run remotely over the Internet. This feature is intended to allow an end-user or installer to interact with their C-Bus network even when outside of their home or premise.

Project Update allows a PICED project to be uploaded to the device over the Internet. This means that anyone on the Internet, if they knew the Internet address of your device, can connect to the device and transfer a project to the unit and/or retrieve a project from the unit. It is important to make sure to close the port after usage as leaving it open will allow anyone to manipulate your C-Bus network.

5.5.2 Configure Router Settings

You can access the router to view or change the settings. Some of the settings relate to network security and wireless operation and might require you to make a change

CAUTION

Changing settings on the router can cause unexpected results. Unless you are absolutely certain, do not attempt to modify the settings.

To open the router setup screen display, use the Configure Router button on the Tools page. Most of the router setting screen fields require text entries. After making a change, it must be saved. Saving changes causes the router to reboot

5.5.3 C-Bus Time and Date

The C-Bus Date and Time widget on the Tools page allows you to set the network time from the Wiser UI.

To increase a value, select the up triangle. To decrease a value, select the down triangle. Click the Set button to change the date or time to the new value.

The default display is DD/MM/YYYY and the default is a 24-hour clock.

You can enable or disable automatic adjustment for Daylight Savings Time. Daylight Savings can be set automatically using a schedule. Refer to the PICED help file for details.

Note: Make sure the C-Bus network is connected when changing the time and date settings.

5.6 Full Screen View

To have the window fill the screen, press or click the full screen icon in the top left corner.

Press or click the icon again to return to normal.

6.0 Widgets

6.1 Icons

There are many icons available for use with this skin. They can be selected for use with Function Groups and for some widgets. Some of the icons available are shown below.

Air conditioner

Blinds

Lights

7.0 C-Bus Widgets

7.1 General Lighting Relay

The General Lighting Relay widget is used for on/off control of a load.

The appearance will depend on the icon selected. The icon will show whether the load is on or off, indicated by the brightness of the icon. The name of the controlled load is underneath the icon.

A Short Press on the icon will change the state from on to off or vice versa.

7.2 Two-State Lighting Relay

The Two-State Lighting Relay widget is used for on/off control of a load.

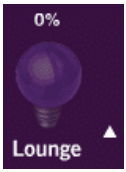
The appearance will depend on the icons selected; one for the off state, and one for the on state. The name of the controlled load is underneath the icon.

A Short Press on the icon changes the state from on to off or vice versa.

7.3 General Lighting Dimmer

The General Lighting Dimmer widget is used for level control of a load, from 0% to 100%.

The appearance will depend on the icon selected. The icon will show whether the load is on or off, indicated by the brightness of the icon. The level of the load (0% to 100%) is shown above the icon. The name of the controlled load is underneath the icon.



A Short Press on the icon will change the state from on to off or vice versa.

A Long Press on the icon will cause the load to dim up or down. An arrow next to the widget indicates the direction of the change. The dimming change will stop when the mouse button is released.

7.4 Bellpress

The Bellpress widget is used for on/off control of a load.

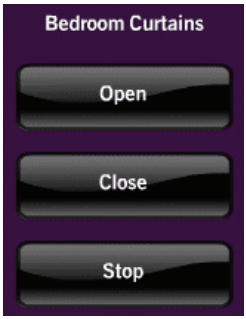
The appearance will depend on the icon selected. The icon will show whether the load is on or off, indicated by the brightness of the icon. The name of the controlled load is underneath the icon.

A pressing (clicking) the icon will change the state to on. Releasing will change the state back to off.

7.5 Curtain Control

The Curtain Controller widget is used for opening and closing electric curtains, blinds and shutters.

The general appearance of the widget is fixed. The button labels and the name of the controlled device can be set.



There are three options:

- One button control - a single button is used to open, close and stop
- Two button control - one button is used to open/stop and the other is used to close/stop
- Three button control - one button is used to open, one is used to close and the third is to stop

Functions of buttons:

Number of buttons	Button One	Button Two	Button Three
1	Open/Close/Stop	-	-
2	Open/Stop	Close/Stop	-
3	Open	Close	Stop

7.6 Shutter Relay

The Sutter Relay widget is used to open and close electric curtains, blinds and shutters. The Shutter Relay widget is very similar to the Curtain Controller widget. Refer to the icon shown for the Curtain Control widget.

The general appearance of the widget is fixed. The button labels and the name of the controlled device can be set.

Function of buttons:

Number of buttons	Button One	Button Two	Button Three
1	Open/Close/Stop	-	-
2	Open/Stop	Close/Stop	-
3	Open	Close	Stop

7.7 Lighting Preset

The Lighting Preset widget is used for setting a load to a preset level, from 0% to 100%.

The appearance will depend on the icon selected. The icon will show whether the load is at the preset level, indicated by the brightness of the icon. The name of the controlled load is underneath the icon.

A Short Press on the icon will set the load to the preset level.

7.8 Lighting Status

The Lighting Status widget shows when a load is on. It is not used for controlling the load. The status can be shown with an icon or a level from 0 - 100%.

The appearance will depend on the icon selected. The icon will show whether the load is on or not, indicated by the brightness of the icon. The name of the controlled load is underneath the icon.

The level of the load will be displayed (0 - 100%). The name of the controlled load is underneath the icon.

Any press on the Widget will be ignored.

7.9 General Lighting Timer

The General Lighting Timer widget is used for switching on a load for a specific period.

The appearance will depend on the icon selected. The icon will show whether the load is on or off, indicated by the brightness of the icon. The animated clock will show if the timer is currently running. The name of the controlled load is underneath the icon.

A Short Press on the icon will switch on the load and start the timer running. A second press will stop the timer and switch off the load. If left running, the load will switch off at the end of the period.

7.10 Enable Preset

The Enable Preset widget is generally used for enabling a function of the C-Bus system, such as a scheduled event.

The appearance will depend on the icon selected. The icon will show whether the preset level is selected, indicated by the brightness of the icon. The name of the controlled item is underneath the icon.

A Short Press on the icon will set the item to the preset level.

7.11 Two-State Enable

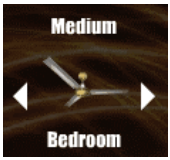
The Enable Preset widget is generally used for enabling a function of the C-Bus system, such as a scheduled event.

The appearance will depend on the icons selected; one for the off state, and one for the on state. The name of the controlled item is underneath the icon.

7.12 Fan Controller

The Fan Controller widget is used for controlling the speed of a ceiling fan.

The current speed of the fan is shown above the widget. The name of the controlled load is underneath the widget.



A Short Press on the left or right arrows changes the fan speed. If the fan is on, a short press on the fan will switch it off.

7.13 Scene Trigger

The Scene Controller widget is used for setting a scene. This allows many lights to be set to pre-determined levels all at once.

The appearance will depend on the Icon selected. The icon will show whether the scene is set or not, indicated by the brightness of the icon. The name of the scene is underneath the icon.

A Short Press on the icon will set the scene.

7.14 Local Scene Controller

The Scene Controller widget is used for setting a scene. This allows many lights to be set to pre-determined levels all at once.

The appearance will depend on the Icon selected. The icon will show whether the scene is set or not, indicated by the brightness of the icon. The name of the scene is underneath the icon.

A Short Press on the icon will set the scene. Clicking the Up and Down arrows will 'nudge' the level of the scene by a small amount. This is useful if the lighting level is not quite right and needs to be adjusted brighter or dimmer.

7.15 Multi Room Audio Zone

The MRA Zone Widget is used for controlling a Clipsal Multi-Room Audio (MRA) system. The widget allows you to:

- Select a music source
- Adjust the volume
- Adjust the bass and treble levels

A Long Press on the + or - buttons will allow the volume to be adjusted up (louder) or down (quieter) respectively. The mute button (the picture of a speaker) allows you to switch the sound off and on.

The source selection buttons at the bottom allow you to select which music source you want to listen to. The selected source will be highlighted.

Clicking the back button will take you back to the other controls page

A Long Press on the + or - buttons will allow the bass and treble levels to be adjusted.

Clicking the "back" button will take you back to the other controls.

7.16 Media Transport

The Media Transport Widget is used for controlling an audio/video system.

The widget allows you to activate any of the following functions of an audio/video device:

- Play, Pause, Stop
- Next, Previous
- Rewind, Fast Forward
- Record

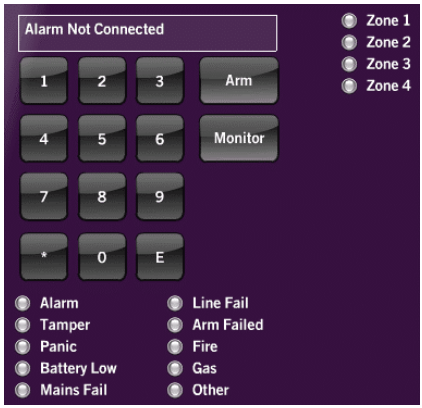
The name of the controlled device is above the widget.

A Short Press on an icon will activate that function.

7.17 Home Safe Panel

The Home Safe Panel widget is used for controlling and monitoring a C-Bus security panel. There are several areas of the widget:

- Panel status (at the top) - this shows whether the security panel is connected to the Wiser Home Controller
- Keypad - this is used in the same way as a regular security panel keypad
- Panel status indicators (at the bottom) - these show the status of the panel, including any alarms
- Zone status (at the right) - these show whether the zones are secure or not



7.18 MinderPro Panel

The MinderPro Panel widget is used for controlling and monitoring a MinderPro security panel.

There are several areas of the widget:

- Panel status (at the top) - this shows whether the security panel is connected to the Wiser Home Controller
- Keypad - this is used in the same way as a regular security panel keypad
- Panel status indicators (at the bottom) - these show the status of the panel, including any alarms

Zone status (at the right) - these show whether the zones are secure or not

7.19 Climate Control

The Climate Control widget allows the user to control and monitor the following aspects of an air conditioning system:

1. Switch the air conditioner on and off
2. Monitor the room temperature
3. Set the operating type:
   Heat
   Cool
   Heat/Cool
   Fan/vent
4. Set the temperature set-point
5. Set the fan speed
6. Switch the zone air flow (damper) on and off

8.0 Logic Widgets

Logic widgets are used by the Wiser logic engine. These are used to provide customised behaviour for the Wiser Home Controller. Their usage will be unique for each project.

8.1 User System IO Integer

The widget is used to select an integer (whole number) for controlling some aspect of the C-Bus system. The details of the usage will depend on the project.

The name of the controlled item is above the Widget.

A Short Press on the up or down arrows will change the value by one.

A Long Press on the up or down arrows will cause the value to change continually until released.

When the desired value has been reached, press the Set button. To reset the value and undo any changes, press the Reset button.

8.2 User System IO Real

The widget is used to select a 'real' value (number with decimal point) for controlling some aspect of the C-Bus system. The details of the usage will depend on the project.

The name of the controlled item is above the widget.

A Short Press on the up or down arrows will change the column value by one.

A Long Press on the up or down arrows will cause the value to change continually until released.

When the desired value has been reached, press the Set button. To reset the value and undo any changes, press the Reset button.

8.3 User System IO String

The widget is used to display information of some aspect of the C-Bus system. The details of the usage will depend on the project.

The name of the item is above the widget.

Pressing the Widget will have no effect.

8.4 User System IO Boolean

The widget is used to select a 'Boolean' value (ON or OFF) for controlling some aspect of the C-Bus system. The details of the usage will depend on the project.

The appearance will depend on the icons selected; one for the off state, and one for the on state. The name of the controlled item is underneath the icon.

A Short Press on the icon will change the state from on to off or vice versa.

8.5 User System IO Date

The widget is used to select a date for controlling some aspect of the C-Bus system. The details of the usage will depend on the project.

The name of the controlled item is above the Widget.

A Short Press on the up or down arrows will change the column value by one.

A Long Press on the up or down arrows will cause the value to change continually until released.

When the desired value has been reached, press the Set button. To reset the value and undo any changes, press the Reset button.

8.6 User System IO Time

The widget is used to select a time for controlling some aspect of the C-Bus system. The details of the usage will depend on the project.

The name of the controlled item is above the widget.

A Short Press on the up or down arrows will change the column value by one.

A Long Press on the up or down arrows will cause the value to change continually until released.

When the desired value has been reached, press the Set button. To reset the value and undo any changes, press the Reset button.

9.0 Other Widgets

9.1 Web Camera

The Web Camera widget is used for displaying the video from a Web camera. Click the Web camera picture to display the image full screen. Click the home button (the picture of the house in the bottom right corner) to return to normal view.

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